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FORM PTO-144 (Rev. 7-80)	19 (Mo	dified)	Patent and	Atty Docket No. Appln. No. CGAB-210 USA 09/367,013					
	INFORMATION DISCL	Applicant(s) DEBORAH KNUTZON ET AL.							
(Use several sheets if necessary)					Filing Date August 5, 1999			Group 1714	
			U	VTS			<u> </u>		
*Examiner Initials	Document Number		Class Subcl		lass Filing Da				
12-C	AB	3,649,295	03/14/1972	BERNHART		99	57		06/01/1970
Kre.	AB	5,614,400	03/25/1997	CAHOON ET AL.	CAHOON ET AL.		172.3		10/05/1995
NE	AC	4,670,285	06/02/1987	CLANDININ ET AL.		426	602		03/14/1985
we	AH	4,920,098	04/24/1990	COTTER ET AL.		514	2		08/28/1989
N,	AB	5,545,553	07/03/1990	GOTSCHLICH		435	252.33		09/26/1994
N	AP	5,443,974	08/22/1995	HITZ ET AL.		435	320.1		12/11/1992
we	AC	4,526,793	08/22/1995	INGENBLEEK ET AL.	NGENBLEEK ET AL.		72		04/06/1983
Ne	АН	5,376,541	12/27/1994	KAWASHIMA ET AL.		435	136		09/29/1992
Ne	-AI	5,550,156	08/27/1996	KYLE		514	547		12/19/1994
NS	AJ	5,374,657	10/15/1991	KYLE	·	514	547		09/14/1992
W	_AK	5,407,957	04/18/1995	KYLE ET AL.		514	547		12/19/1994
re	AL	5,492,938	02/20/1996	KYLE ET AL.		514	786		02/09/1995
" Me	MA	5,057,419	10/15/1991	MARTIN ET AL.		435	134		09/22/1988
V	, AN	4,920,008	07/02/1985	RUBIN		514	560 ·		10/24/1983
We	AO	4,843,095	06/27/1989	RUBIN		514	558		08/07/1987
re	AP	4,614,663	04/30/1996	RULE		426	601		05/03/1985
re	QΑ	5,552,306	09/03/1996	THOMAS ET AL.		435	134		09/14/1994
Ne	MA	5,614,393	03/25/1997	THOMAS ET AL.		435	134		12/19/1994
we	_ AS	4,938,984	07/03/1990	TRAITLER ET AL.	TRAITLER ET AL.		580		05/05/1989
we	AT	5,512,482	04/30/1996	VOELKER ET AL.		435	320.1		01/22/1992
Ne	_ AU	4,058,594	11/15/1977	WILLIAMS		424	37		08/10/1976
									TC.
Examiner Date Considered 10/9/01									
* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

PATENTS\IDS.MRG CGAB-210 USA



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			Dept. of Commerce I Trademark Office				Appln. No. 09/367,013			
INFORMATION DISCLOSURE CITATION					Applicant DEBORAH KNUTZON ET AL.					
(Use severa	1 sheet	ts if necessary)			Filing Date August 5, 1999		Group 1714			
U.S. PATENT DOCUMENTS										
*Examiner Initials		Document Number	Date	Name	Class	Subcla	ss Filing	Date		
			FOR	EIGN PATENT DOCUME	NTS					
*Examiner Initials		Document Number	Date	Country Class		Class	Subcla	ss Transl YES	Translation YES NO	
Ne	VA	WO 96/10086	04/04/1996	PCT		C12N 15/54				
2	AW	WO 93/06712	04/15/1993	PCT		A01R	1/00	-]		
WC.	ХA	WO 96/21022	07/11/1996	PCT		CL3N	19/93			
We	AY	WO 94/18337	08/18/1994	PCT		C1911	13/02	- [
·ve	/AZ	WO 97/30582	08/28/1997	PCT		ROIL	3/00	•		
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M	BD	WO 94/11516	05/26/1994	wo		C12N	15/53			
				OTHER DOCUMENTS						
pe	BE	Ackman, "Problems in Fish Oils and Concentrates," Canadian Institute of Fisheries Technology, Technical University of Nova Scotia, 189-204								
be	BF	Bajpai and Bajpai, "Arachidonic Acid Production by Microorganisms," Biotechnology and Applied Biochemistry 15:1-10 (1992)								
ive	BG	Gurr, "Alpha or Gamma: What's a Double Bond Position Between Friends?" 1. Gamma-linolenic Acid, " Lipid Technology (March 1995).								
Ne	вн	Hodgson, "Advances in Vector Systems for Gene Therapy," Ex. Opin. Ther. Patents 5(5):459-468 (1995)								
Me	ві	Horrobin, "Medical Roles of Metabolites of Precursor EFA," INFORM 6(4):428-434 (April 1995)								
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* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										



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INFORMATION DISCLOSURE CITATION Applicant DEBORAH KNUTZON ET AL.									
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		OTHER DOCUMENTS							
pe	BJ	Murata et al., "Biosynthesis of gamma-Linolenic Acid in the Cyanobacterium Spiruline platensis," In: gamma-Linolenic Acid Metabolism and Its Roles in Nutrition and Medicine (Huang and Mills, eds.), pp. 22-32, Access Press, Champain, IL							
W	BK	Ratledge, "Single cell oils-have they a biotechnological future?" MB Tech. 11 (July 1995)							
N	BI	Reddy and Thomas, "Expression of a cyanobacterial &-desaturase gene results in gamma-linolenic Acid Production in Transgenic Plants," Nature Biotechnology 14:639-642 (May 1996).							
ne-	-ВМ	Ward, "Microbial Production of long-chain PUFAs," INFORM 6(6):683-688 (June 1995).							
N	BN	"Closer to Mother's Milk", the Gist 61:8-9 (Spring 1995).							
777	⁄ во	"Exciting Prospects for Stearidonic Acid Seed Oils," Lipid Technology (November 1996).							
Ne	BP	Covello, P. et al., "Functional Expression of the Extraplastidial Arabidopsis Thaliana Oleate Desaturase Gene (FAD2) in Saccharomyces Cerevisiae," Plant Physiology, Vol. 111, No. 1, pp. 223-226, (1996).							
M	BQ	PCT International Search Report							
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FORM PTO-14 (Rev. 7-80)	Atty Docket No. Appln. No. CGAB-210 USA (Abbott Docket 09/367,013 No. 6283.US.01)									
	Applicant(s) DEBORAH KNUTZON ET AL.									
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*Examiner Initials		Document Number	Date	Name		Class Subclass Fili		Filing	Date	
	AA									
	AB								,	
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FOREIGN PATENT DOCUMENTS										
*Examiner Initials		Document Number	Date	Countr	У	Class Subcl		class Translat YES N		ation NO
we	AC	WO 96/21037	7/11/96	PCT		CIZP	7/40			×
				OTHER DOCUMENTS						
we	AD L.V. Michaelson, et al., "Isolation of a Δ ⁵ -Fatty Acid Desaturase Gene from Mortierella alpina", Journal of Biological Chemistry, American Society of Biological Chemists, Vol. 273, No. 30, July 24, 1998, pp. 19055-19059 (XP-002076636)									
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* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										